

# PHOENIX GOLD

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H O M E

## Smart Audio Management Speaker Selectors

**ISM8 • 200/100 Watt RMS Stereo 8 Zone Speaker Selector and Impedance Matching System**

**ISM6 • 140/70 Watt RMS Stereo 6 Zone Speaker Selector and Impedance Matching System**

**ISM4 • 140/70 Watt RMS Stereo 4 Zone Speaker Selector and Impedance Matching System**

The ISM8, ISM6 and ISM4 are low-profile speaker distribution systems with individual on/off selectors for each listening zone. The ISM8 distributes a stereo speaker-level signal to eight stereo listening zones. The ISM6 distributes a stereo speaker-level signal to six stereo listening zones. The ISM4 distributes a stereo speaker-level signal to four stereo listening zones. All ISM's feature a manually activated power protection circuit switch, located on the rear panel, activating two pairs in the ISM4/ISM6, or three pairs in the ISM8, of high power resistors (two or three 10 ohm/15 watt resistors per channel wired in parallel providing up to 50% more power handling capability than the competition) while maintaining a stable 5 ohm impedance load to ensure amplifier stability. Pass through speaker output terminals allow easy connection of additional ISM's for limitless connection possibilities.

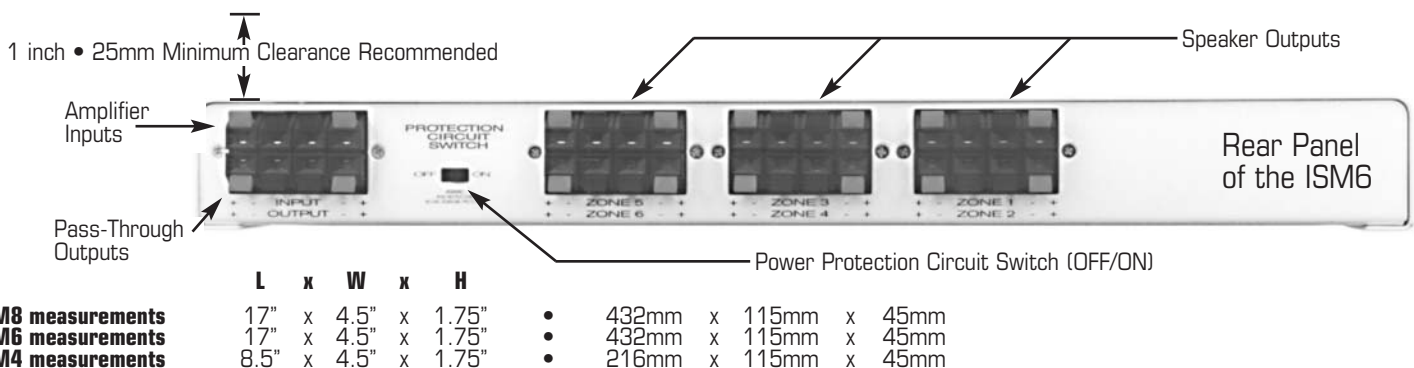
### Installation and Connection Procedures

The "+/-" polarity connections for the input and output push type speaker terminals are clearly marked on the rear panel. Please connect the speaker cable to the appropriate "+/-" terminals. These terminals will accept up to 12 gauge speaker cable and we highly recommend utilizing at minimum a 16 to 12 gauge speaker cable. *Note:* Separate left and right ground paths ensure compatibility with all amplifiers, even when bridged!

1. Route the speaker cables from each speaker zone and the amplifier to the ISM speaker selector.
2. Strip 3/8" insulation from the end of the cable and twist the exposed end to avoid fraying.
3. Press the spring loaded lever on the appropriate speaker terminal and insert the stripped end of the cable into the speaker terminal. Be sure to observe proper "+/-" polarity when connecting the speaker cables.
4. Release the spring loaded lever to clamp the cable in place. Gently pull on the cable to ensure it's secure and properly connected.
5. The system is now ready for testing. Turn on the sound system and set the amplifier's volume control to a moderate level.
6. Sound should be heard from each zone when its button is depressed. Please check each zone appropriately including proper left and right connections by activating each zone with the balance adjusted to full left and then to full right.
7. Attach the custom die-cut labels provided to the buttons of the ISM's referencing each button to an appropriate zone within the installation.

### Installation Precautions

- Under no circumstances disable the power protection circuit unless your amplifier can handle the combined impedance of all zones activated. For example, a ISM6 with six pairs of 8 ohm speakers will present the amplifier with a 1.33 ohm load per channel with the power protection circuit switch in the "OFF" position. This may damage your amplifier or cause it to shut down prematurely. With the power protection circuit switch "ON", the amplifier will see 6.33 ohms per channel which will not present a problem for most amplifiers. Please consult your authorized dealer and/or the owners manual for your amplifier for complete details.
- Power handling *without* the protection circuit switch engaged is 140 watts per channel for ISM4/ISM6 and 200 watts for ISM8.
- Power handling *with* the protection circuit switch engaged is 70 watts per channel for ISM4/ISM6 and 100 watts for ISM8.
- Never place the ISM's where they will be exposed to excessive moisture or heat. Allow for a 1 inch of clearance above the top of the unit.



Thank you for selecting Phoenix Gold custom home installation components. Doing so demonstrates your appreciation for high quality, high performance audio and video reproduction. The ISM's set a new standard in design, flexibility and affordability for the installation of multi-zone speaker systems in any installation. Please feel free to call us at 503.286.9300 with your comments and questions.

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